Twin Diode—High-Mu Triode

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:		
Voltage (AC or DC)	14 ± 10%	volts
Current at 14 volts	0.15	amp
Direct Interelectrode Capacitances:▲		
Triode Unit:		
Grid to plate	1.8	μμf
Grid to cathode and heater	1.6	μμf
Plate to cathode and heater	0.24	μμf
Diode Units:		
Diode-No.1 plate to triode grid	0.09 max.	μμf
Diode-No.2 plate to triode grid	0.07 max.	μμf
Either diode cathode to all other tube electrodes	6.5	μμf
Diode plate to cathode and heater (Each unit)	2.4	μμf

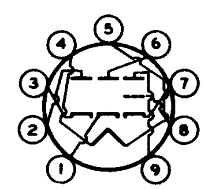
Characteristics, Class A_1 Amplifier (Triode Unit):

Plate Voltage	250	volts
Grid Voltage	-3	volts
Amplification Factor	72	
Plate Resistance (Approx.)	72000	ohms
Transconductance	1000	μmhos
Plate Current	0.7	ma

Mechanical:

Operating Position	Any
Maximum Overall Length	2-3/16"
Maximum Seated Length	1-15/16"
Length, Base Seat to Bulb Top (Excluding tip)	1-9/16" ± 3/32"
Diameter	0.750" to 0.875"
Dimensional Outline	See *General Section*
Bulb	T6-1/2
Base	Small-Button Noval 9-Pin (JEDEC No.E9-1)
Basing Designation for BOTTOM VIEW	9KR

Pin 1 - Diode-No.2 Cathode
Pin 2 - Diode-No.1 Plate
Pin 3 - Diode-No.1 Cathode
Pin 4 - Heater



Pin 5 - Heater
Pin 6 - Diode-No.2 Plate
Pin 7 - Triode Cathode
Pin 8 - Triode Grid
Pin 9 - Triode Plate

TRIODE UNIT — AMPLIFIER — Class A_1

Maximum Ratings, ***Design-Maximum Values:***

PLATE VOLTAGE	330 max.	volts

GRID VOLTAGE:			
Positive-bias value	0	max.	volts
PLATE DISSIPATION	1.1	max.	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode	200	max.	volts
Heater positive with respect to cathode	200●	max.	volts

DIODE UNITS — Two

Values are for Each Unit

Maximum Ratings, *Design-Maximum Values:*

PLATE CURRENT	5	max.	ma
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode	200	max.	volts
Heater positive with respect to cathode	200●	max.	volts

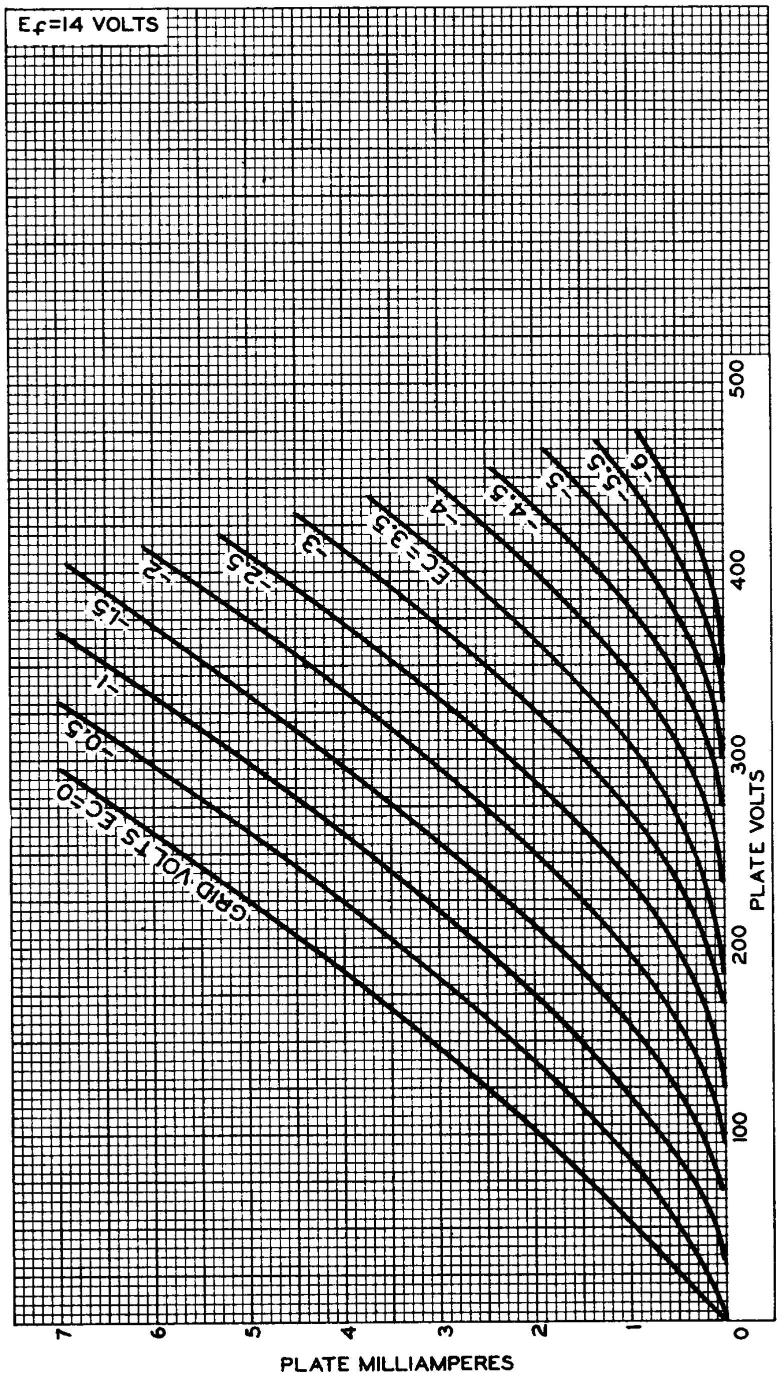
Characteristics, Instantaneous Test Condition:

Plate Current for plate volts = 5	18	ma

▲ Without external shield.

● The dc component must not exceed 100 volts.

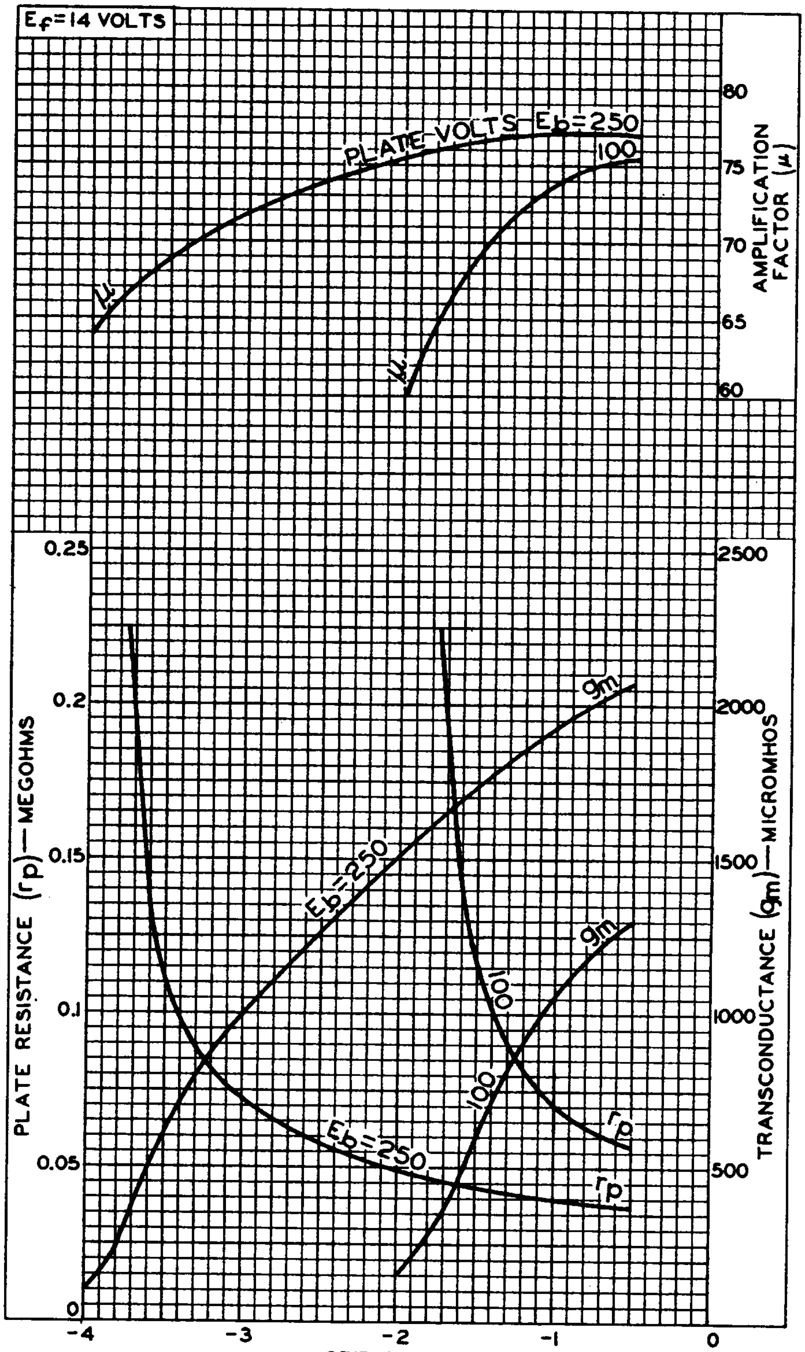
AVERAGE PLATE CHARACTERISTICS
Triode Unit



92CM-10835

14GT8

AVERAGE CHARACTERISTICS
Triode Unit



92CM-10838